

# JPH1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13042

## Product Information

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|-------------------|---------------------------------------------------------------------------|
| Application       | WB                                                                        |
| Primary Accession | <a href="#">Q9HDC5</a>                                                    |
| Other Accession   | <a href="#">NM_020647</a> , <a href="#">NP_065698</a>                     |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| Predicted         | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| Host              | Rabbit                                                                    |
| Clonality         | Polyclonal                                                                |
| Calculated MW     | 71686                                                                     |

## Additional Information

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID                  | 56704                                                                                                                                                                                         |
| Alias Symbol             | DKFZp762L0313, JP-1, JP1                                                                                                                                                                      |
| Other Names              | Junctophilin-1, JP-1, Junctophilin type 1, JPH1, JP1                                                                                                                                          |
| Format                   | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                                                             |
| Reconstitution & Storage | Add 50 ul of distilled water. Final anti-JPH1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| Precautions              | JPH1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.                                                                           |

## Protein Information

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| Name              | JPH1                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms          | JP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Function          | Junctophilins contribute to the formation of junctional membrane complexes (JMCs) which link the plasma membrane with the endoplasmic or sarcoplasmic reticulum in excitable cells. Provides a structural foundation for functional cross-talk between the cell surface and intracellular calcium release channels. JPH1 contributes to the construction of the skeletal muscle triad by linking the t-tubule (transverse-tubule) and SR (sarcoplasmic reticulum) membranes. |
| Cellular Location | Cell membrane; Peripheral membrane protein. Endoplasmic reticulum                                                                                                                                                                                                                                                                                                                                                                                                            |

membrane; Single-pass type IV membrane protein. Sarcoplasmic reticulum membrane; Single-pass type IV membrane protein. Note=Localized predominantly on the plasma membrane. The transmembrane domain is anchored in endoplasmic/sarcoplasmic reticulum membrane, while the N-terminal part associates with the plasma membrane. In skeletal muscle cells, it is predominantly localized at the junction of the A and I bands (By similarity).

#### Tissue Location

Abundantly expressed in skeletal muscle. Very low levels in heart.

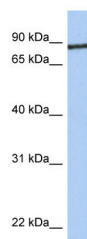
## References

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Nusbaum C.,et al.Nature 439:331-335(2006).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Nishi M.,et al.Biochem. Biophys. Res. Commun. 273:920-927(2000).  
Olsen J.V.,et al.Cell 127:635-648(2006).  
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).

## Images

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WB Suggested Anti-JPH1 Antibody Titration: 0.2-1 µg/ml  
Positive Control: Hela cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.